

Amendment to the Specification:

Please replace paragraph [0014] with the following amended paragraph:

[0014] The synthetic peptides and analogs thereof according to the invention may be selected from the group consisting of peptides having the sequences I to V herein, wherein:

(i) the peptide of sequence I has the formula:

T G Y Y X₁ X₂ X₃ X₄ X₅ Q S P E K S L E W I G (SEQ ID NO:1) [I]
wherein X₁ is Met, Ala or Val; X₂ is Gln, Asp, Glu or Arg; X₃ is Trp or Ala; X₄ is Val or Ser; and X₅ is Lys, Glu or Ala;

(ii) the peptide of sequence II has the formula:

E I N P S T G G X₆ X₇ X₈ X₉ X₁₀ X₁₁ X₁₂ K A K A T (SEQ ID NO:2) [II]
wherein X₆ and X₇ are each Thr, Val or Ala; X₈ is Tyr or Phe; X₉ is Asn or Asp; X₁₀ is Gln or Glu; X₁₁ is Lys or Glu, and X₁₂ is Phe or Tyr;

(iii) the peptide of sequence III has the formula:

Y Y C A R X₁₃ X₁₄ X₁₅ X₁₆ P Y A X₁₇ X₁₈ Y W G Q G S (SEQ ID NO:3)
[III]

wherein X₁₃ is Phe, Thr or Gly; X₁₄ is Leu, Ala or Ser; X₁₅ is Trp or Ala; X₁₆ is Glu or Lys; X₁₇ is Met or Ala, and X₁₈ is Asp, Lys or Ser;

(iv) the peptide of sequence IV has the formula:

G Y N X₁₉ X₂₀ X₂₁ X₂₂ X₂₃ X₂₄ S H G X₂₅ X₂₆ L E W I G (SEQ ID NO:4)

[IV]

wherein X₁₉ is Met or Ala; X₂₀ is Asn, Asp or Arg; X₂₁ is Trp or Ala; X₂₂ is Val or Ser; X₂₃ is Lys or Glu; X₂₄ is Gln or Ala; X₂₅ is Lys or Glu, and X₂₆ is Ser or Ala; and

(v) the peptide of sequence V has the formula:

Y Y C A R X₂₇ X₂₈ X₂₉ Y G X₃₀ X₃₁ X₃₂ G Q G T L (SEQ ID NO:5) [V]

wherein X₂₇ is Ser or Phe; X₂₈ is Gly or Ala; X₂₉ is Arg, Ala or Glu; X₃₀ is Asn or Asp; X₃₁ is Tyr or Phe, and X₃₂ is Trp, His or Ala.

Please replace paragraph [0015] with the following amended paragraph:

[0015] In preferred embodiments, peptides I to V have the sequences Ia-Va herein:

T G Y Y M Q W V K Q S P E K S L E W I G <u>(SEQ ID NO:6)</u>	(Ia)
E I N P S T G G T T Y N Q K F K A K A T <u>(SEQ ID NO:7)</u>	(IIa)
Y Y C A R F L W E P Y A M D Y W G Q G S <u>(SEQ ID NO:8)</u>	(IIIa)
G Y N M N W V K Q S H G K S L E W I G <u>(SEQ ID NO:9)</u>	(IVa)
Y Y C A R S G R Y G N Y W G Q <u>G</u> T L <u>(SEQ ID NO:10)</u>	(Va)

Please replace paragraph [0037] with the following amended paragraph:

[0037] Examples of peptides and analogs thereof are as follows:

(i) Peptide Ia of the formula:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
T	G	Y	Y	M	Q	W	V	K	Q	S	P	E	K	S	L	E	W	I	G

(SEQ ID NO:6)

(Ia)

and substitution analogs thereof in which Met at position 5 is substituted by either Ala or Val, Gln at position 6 is substituted by either Asp, Glu or Arg; Trp at position 7 is substituted by Ala; Val at position 8 by Ser; and Lys at position 9 is substituted by either Glu or Ala; and deletion analogs thereof in which up to 5 amino acid residues are deleted from the C-terminal of peptide Ia.

(ii) Peptide IIa of the formula:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
E	I	N	P	S	T	G	G	T	T	Y	N	Q	K	F	K	A	K	A	T

(SEQ ID NO:7)

(IIa)

and substitution analogs thereof in which Thr in positions 9 and 10 are each substituted by either Val or Ala; Tyr at position 11 is substituted by Phe; Asn at position 12 is substituted by Asp; Gln at position 13 by Glu; Lys at position 14 by Glu; and Phe at position 15 by Tyr, and deletion analogs thereof in which up to 5 amino acid residues are deleted from the C-terminal of peptide IIa.

(iii) Peptide IIIa of the formula:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Y	Y	C	A	R	F	L	W	E	P	Y	A	M	D	Y	W	G	Q	G	S

(SEQ ID NO:8)

(IIIa)

and substitution analogs thereof in which Phe at position 6 is substituted by either Thr or Gly; Leu at position 7 is substituted by either Ala or Ser; Trp at position 8 is substituted by Ala; Glu at position 9 is substituted by Lys; Met at position 13 by Ala; and Asp at position 14 by either Lys or Ser; and deletion analogs thereof in which up to 5 amino acid residues are deleted from the C-terminal of peptide IIIa.

(iv) Peptide IVa of the formula:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
G	Y	N	M	N	W	V	K	Q	S	H	G	K	S	L	E	W	I	G

(SEQ ID NO:9)

(IVa)

and substitution analogs thereof in which Met at position 4 is substituted by Ala; Asn at position 5 is substituted by either Asp or Arg; Trp at position 6 is substituted by Ala; Val at position 7 by Ser; Lys at position 8 by Glu; Gln at position 9 by Ala; Lys at position 13 by Glu; and Ser at position 14 by Ala; and deletion analogs thereof in which up to 5 amino acid residues are deleted from the C-terminal of peptide IVa.

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(v) Peptide Va of the formula:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

Y Y C A R S G R Y G N Y W G Q G T L

(SEQ ID NO:10)

(Va)

and substitution analogs thereof in which Ser at position 6 is substituted by Phe; Gly at position 7 is substituted by Ala; Arg at position 8 is substituted by either Ala or Glu; Asn at position 11 is substituted by Asp; Tyr at position 12 by Phe; and Trp at position 13 by either His or Ala; and deletion analogs thereof in which up to 5 amino acid residues are deleted from the C-terminal of peptide Va.